

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P284425

Luminaire Tested: **14FP2640C**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1808-913-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14FP2640C
Description: 1x4 25W 4000K SE 80CRI

Light Source: -
Ballast/Driver: -

Summary

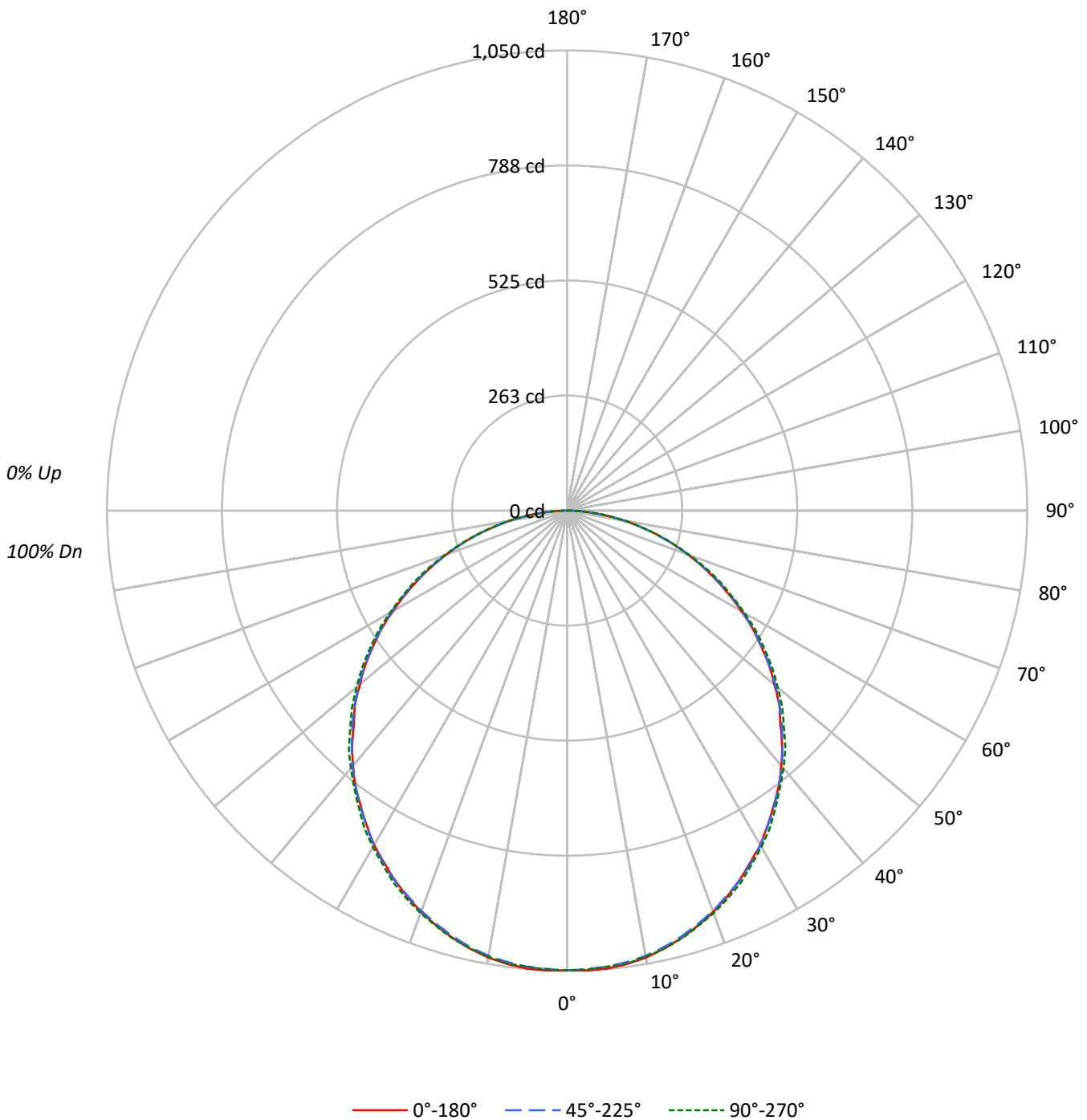
Lumens per Lamp: N/A
Luminaire Lumens: 3017.2 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2823	2823	2823
5°	2834	2822	2822
10°	2831	2819	2825
15°	2812	2803	2815
20°	2790	2784	2800
25°	2763	2766	2782
30°	2738	2741	2755
35°	2699	2703	2721
40°	2670	2678	2697
45°	2617	2638	2663
50°	2584	2598	2626
55°	2536	2546	2577
60°	2471	2489	2513
65°	2392	2413	2448
70°	2308	2316	2342
75°	2216	2193	2216
80°	2060	2025	2094
85°	1797	1831	1797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	3.3
10°-20°	284.3	9.4
20°-30°	429.4	14.2
30°-40°	516.3	17.1
40°-50°	535.6	17.8
50°-60°	486.3	16.1
60°-70°	375.1	12.4
70°-80°	224.1	7.4
80°-90°	66.7	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	813.2	27.0
0°-40°	1329.5	44.1
0°-60°	2351.4	77.9
0°-90°	3017.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3017.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1049	1049	1049	1049	1049	
5°	1049	1046	1045	1045	1045	100
15°	1010	1008	1006	1007	1011	285
25°	930	930	932	933	937	429
35°	822	825	823	825	828	515
45°	688	692	693	696	700	533
55°	540	543	543	546	549	484
65°	376	378	379	381	384	372
75°	213	211	211	212	213	224
85°	58	59	59	58	58	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1049.1	1049.1	1049.1	1049.1	1049.1
2.5°	1050.2	1050.2	1046.9	1048.0	1048.0
5°	1049.1	1045.8	1044.7	1044.7	1044.7
7.5°	1043.6	1040.3	1039.2	1040.3	1042.5
10°	1035.9	1031.5	1031.5	1031.5	1033.7
12.5°	1023.8	1021.6	1020.5	1019.4	1023.8
15°	1009.5	1008.4	1006.2	1007.3	1010.6
17.5°	993.0	990.8	989.7	993.0	994.1
20°	974.4	972.2	972.2	975.5	977.7
22.5°	953.5	953.5	951.3	954.6	957.9
25°	930.4	930.4	931.5	932.6	937.0
27.5°	905.2	906.3	907.4	909.5	910.6
30°	881.0	879.9	882.1	884.3	886.5
32.5°	851.3	853.5	852.4	857.9	860.1
35°	821.7	825.0	822.8	825.0	828.3
37.5°	793.1	794.2	793.1	797.5	797.5
40°	760.2	760.2	762.3	765.6	767.8
42.5°	726.1	727.2	727.2	731.6	737.1
45°	687.7	692.0	693.1	696.4	699.7
47.5°	656.9	655.8	656.9	660.2	665.7
50°	617.3	619.5	620.6	623.9	627.2
52.5°	581.1	582.2	582.2	585.5	589.9
55°	540.5	542.7	542.7	545.9	549.2
57.5°	502.0	500.9	503.1	506.4	510.8
60°	459.2	459.2	462.5	464.7	466.9
62.5°	417.4	418.5	420.7	424.0	424.0
65°	375.7	377.9	379.0	381.2	384.5
67.5°	333.9	335.0	336.1	338.3	341.6
70°	293.3	293.3	294.4	296.6	297.7
72.5°	252.7	251.6	251.6	255.9	254.8
75°	213.1	210.9	210.9	212.0	213.1
77.5°	170.3	169.2	171.4	172.5	172.5
80°	132.9	131.8	130.7	131.8	135.1
82.5°	94.5	94.5	93.4	94.5	94.5
85°	58.2	59.3	59.3	58.2	58.2
87.5°	27.5	26.4	26.4	25.3	24.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)